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cDNA and amino acid sequences of bovine tissue factor.

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A cDNA encoding bovine tissue factor has been isolated from a lambda gt11 bovine adrenal cDNA library. The cDNA insert was 1877 base pairs with an open reading frame of 876 base pairs that encoded a presequence of 35 amino acids and a mature tissue factor of 257 amino acids. Bovine tissue factor had three potential N-glycosylation sites, four extracellular cysteine residues, a cytoplasmic cysteine residue, and one tripeptide tryptophan-lysine-serine motif. Identities of the amino acid sequences of the mature forms between the bovine tissue factor and each of human, mouse, and rabbit tissue factors were 70.4%, 57.2%, and 74.1%, respectively.

Tags: Animal; Comparative Study; Human ; Support, Non-U.S. Gov't

Descriptors: *DNA--Genetics--GE; *Thromboplastin--Genetics--GE; Adrenal Glands--Physiology--PH; Amino Acid Sequence; Base Sequence; Cattle; Cloning, Molecular; DNA--Isolation and Purification--IP; Gene Library; Mice ; Molecular Sequence Data; Oligodeoxyribonucleotides; Polymerase Chain Reaction--Methods--MT; Rabbits; Restriction Mapping; Sequence Homology , Nucleic Acid

Molecular Sequence Databank No.: GENBANK/S74147; GENBANK/S62285; GENBANK/M64053; GENBANK/M64054; GENBANK/M64055; GENBANK/M64056; GENBANK/M64057; GENBANK/M64058; GENBANK/M64059; GENBANK/M64060

CAS Registry No.: 0 (Oligodeoxyribonucleotides); 9007-49-2 (DNA); 9035-58-9 (Thromboplastin)

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